

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|----------------------------|------------------|---------|------------------|
| L1 | 0 | ("organicadjmetallicadjcompound").PN. | JPO | OR | OFF | 2005/06/01 09:35 |
| L2 | 204 | organic adj metallic adj compound | JPO | OR | ON | 2005/06/01 09:53 |
| L4 | 12 | 2 and canon | JPO | OR | ON | 2005/06/01 09:39 |
| L5 | 396 | organic adj metallic adj compound | US-PGPUB; USPAT; EPO | OR | ON | 2005/06/01 09:54 |
| L6 | 16 | 5 and Canon | US-PGPUB; USPAT; EPO | OR | ON | 2005/06/01 09:59 |
| L7 | 9 | 6 and resin | US-PGPUB; USPAT; EPO | OR | ON | 2005/06/01 10:00 |
| L9 | 2 | ((("20020012868") or ("20030026959")).PN. | US-PGPUB; USPAT | OR | OFF | 2005/06/01 10:07 |

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TITLE: ORGANIC METALLIC COMPOUND FOR FORMING
ELECTRON EMITTING
PART, MANUFACTURE OF ELECTRON EMITTING ELEMENT,
ELECTRON
SOURCE, PICTURE IMAGE FORMING DEVICE, AND
MANUFACTURE OF
THEM

PUBN-DATE: October 23, 1998

INVENTOR-INFORMATION:
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ASSIGNEE-INFORMATION:
NAME COUNTRY
CANON INC N/A

APPL-NO: JP09104013

APPL-DATE: April 8, 1997

INT-CL (IPC): H01J001/30, C09K011/06 , H01J009/02 , H01J031/12

ABSTRACT:

PROBLEM TO BE SOLVED: To realize water solubility and decomposition in high temperature, reduce costs, and shorten a baking time, by forming an electron emission part for an electron emitting element, having the electron emission part between opposite electrodes on a base plate, by a specific organic metallic compound.

SOLUTION: An organic metallic compound for forming an electron emission part is to be a compound expressed in
 $(\text{RCOO})_{\text{l}}\text{M}(\text{NH})_2(\text{CH})_2(\text{CH})_2(\text{NH})_2(\text{CH}_2)_n$,

where, R; an alkyl group having a number of carbon 1-4, l=2-4, n: 2 and 3, and M: metal. Element electrodes 2 and 3 are formed on a base plate 1, and thereon the droplet of a solution, composed of the organic metallic compound for forming the electron emitting part, is imparted to dry and bake are droplet to form a conductive film 4. Electrification treatment is made between the electrodes 2 and 3, thereby forming the electron emission part 5, having changed structure, on a portion of the film 4. An electron emission characteristics can be stabilized by thus forming the electron emission part 5.

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